International application No.

PCT/JP2005/000716

		PC1/UP2	.003/000/16		
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ F02M61/16					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ F02M61/16					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	· · · · · · · · · · · · · · · · · · ·	Relevant to claim No.		
X Y	JP 2001-50133 A (Hitachi, Ltd Engineering Co., Ltd.),	d., Hitachi Car	1,2,5-9 4		
	23 February, 2001 (23.02.01),		•		
	Par. Nos. [0007], [0015]; Fig & US 6752332 B	₁ . 2			
	Column 2, lines 15 to 25; col	umn 3, lines 41 to			
	65; Fig. 2 & WO 2001/011225 A1				
x	Microfilm of the specification	on and drawings	1,2,6-9		
Y	annexed to the request of Jap	anese Utility	4,5		
	Model Application No. 123305/ No. 41155/1981)	1979(Laid-open	:		
	(Matsushita Electric Industri	al Co., Ltd.),			
	16 April, 1981 (16.04.81), Full text; all drawings				
	(Family: none)				
	cuments are listed in the continuation of Box C.	See patent family annex.			
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the inte date and not in conflict with the applica the principle or theory underlying the i.	ation but cited to understand		
	cation or patent but published on or after the international	"X" document of particular relevance; the considered novel or cannot be considered.	claimed invention cannot be		
"L" document w	which may throw doubts on priority claim(s) or which is	step when the document is taken alone			
cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the considered to involve an inventive:	step when the document is		
"O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the		combined with one or more other such being obvious to a person skilled in the	e art		
priority date	claimed	*&" document member of the same patent f	amily		
Date of the actual completion of the international search 19 April, 2005 (19.04.05)		Date of mailing of the international sear	•		
T9 ADE	LI, 2003 (IF.UE.US)	17 May, 2005 (17.05	o.Uo;		
Name and mailing address of the ISA/		Authorized officer			
Japanese Patent Office					
Facsimile No.		Telephone No.			

Form PCT/ISA/210 (second sheet) (January 2004)

International application No.
PCT/JP2005/000716

		PCT/JP2	005/000716
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
X Y	JP 6-346817 A (Kabushiki Kaisha Keihin Seiki Seisakusho), 20 December, 1994 (20.12.94), Par. Nos. [0009], [0010]; Fig. 1 (Family: none)		1,2,6-9 4,5
Y	JP 2003-148294 A (Hitachi, Ltd.), 21 May, 2003 (21.05.03), Par. No. [0074] & US 2003/0089343 A1 Par. No. [0101] & EP 1310577 A1		4,5
Y	JP 2003-97385 A (Toyota Motor Corp.), 03 April, 2003 (03.04.03), Par. No. [0029] (Family: none)		4,5
Ą	JP 2002-349745 A (Nippon Soken, Inc., Der Corp.), 04 December, 2002 (04.12.02), Par. No. [0029]; Fig. 2 (Family: none)	nso	4,5
Y	JP 2002-106740 A (Nippon Soken, Inc., Der Corp.), 10 April, 2002 (10.04.02), Par. No. [0047] & US 2001/0048091 A1 Par. No. [0062] & DE 10136705 A	nso	4,5

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
 Claims Nos.: 3 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: It is not clear what "C2 coat" described in Claim 3 is even if the description is taken into account. Therefore, it lacks the disclosure in the meaning of PCT Article 5. Also, it is not adequately supported by the disclose of the description in the meaning of PCT Article 6. (continued to extra sheet) Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
 As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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PCT/JP2005/000716 Continuation of Box No.II-2 of continuation of first sheet(2) In addition, it lacks the requirement of clearness in PCT Article 6 even if common general technical knowledge in application is taken into account.

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